

Game Thinking Planning Template

Lesson outcomes (These are also the constraints in your game dynamics, refer to your syllabus document)

- Review of Senior Science Core “Lifestyle Chemistry”
- All focus areas and a focus on essential terms.

Description of your audience (Age, likes and dislikes, motivations etc)
Year 12 students (17-18)

- Mixed ability students with extremes of motivation from disengaged to high achieving.

Time constraints (How many hours, lessons, weeks, terms will you have to complete the intended gamified experience or game)

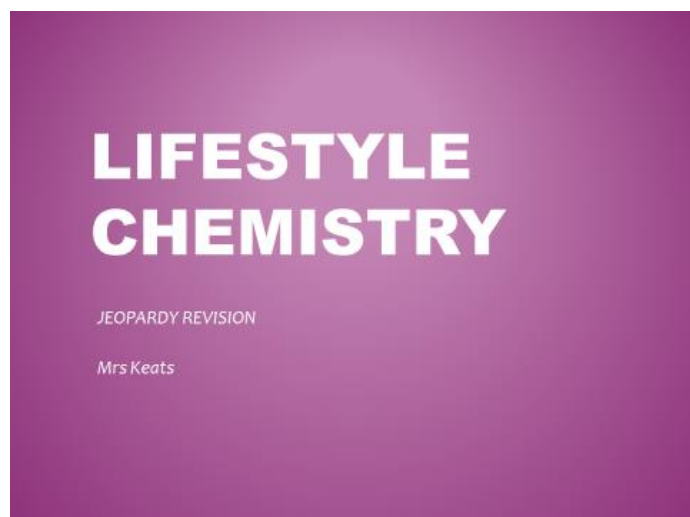
- 1 lesson for revision after completing the Lifestyle Chemistry topic.

Game Elements (Game Dynamics, Game Mechanics and Game Components)

- Playing a PowerPoint interactive version of Jeopardy for a topic summary lesson of Lifestyle Chemistry.
- Students take turns and gain ‘money’ for their correct answers. This can be done in teams also.
- Interactive powerpoint on the smart board that mimics a Jeopardy game board.

Fun check (Integrated purposefully built into your experience including Easy fun, Hard fun, Serious fun and Social fun)

- I think this game has all of the above fun checks as it depends on what the individual wants to gain from this experience. They can approach it very seriously and competitively or simply as social fun competing against their team members. It can be easy or hard depending on how much revision has been undertaken throughout the course topic.



Physical & chemical properties of substances	Surfactant & colloid cleaning products	Cleaning your body	Solvents	Drugs
\$50	\$50	\$50	\$50	\$50
\$100	\$100	\$100	\$100	\$100
\$200	\$200	\$200	\$200	\$200
\$400	\$400	\$400	\$400	\$400
\$800	\$800	\$800	\$800	\$800

PHYSICAL & CHEMICAL PROPERTIES OF SUBSTANCES
\$50

- Synthetic chemicals which help water to wet a dirty surface and lift dirt off.
- What is a detergent?

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SURFACTANT & COLLOID CLEANING PRODUCTS
\$800

- Mild and stable surfactants that become positively or negatively charged depending on pH, commonly used in personal cleansing products.
- What are amphoteric surfactants?

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